

### **REMARKS**

Upon entry of the foregoing amendments, original claims 1-23 will be pending, and a new paper Sequence Listing is submitted as pages numbered i-xxx in Roman numerals pursuant to 37 CFR § 1.823(a), providing that pages of the Sequence Listing preferably are numbered independently of the numbering of the remainder of the application. In accordance with 37 C.F.R. § 1.77(b), the Sequence Listing should follow the Abstract of the Disclosure among the sections of the specification and the elements of the application. A Sequence Listing in computer readable format, identical to the substitute paper Sequence Listing (except for the page numbers on the paper Sequence Listing), is also submitted with this Amendment.

The section of the application at pages 119-122 entitled "Free Text in Sequence Listing" has been deleted as unnecessary and potentially confusing. The Free Text language as indicated for the various sequences has been and still is contained in the original and substitute Sequence Listings. Therefore, this section has been deleted, without prejudice, as being unnecessary for this application.

As indicated in the accompanying Statement to Support . . . , the substitute, amended Sequence Listing submitted both in paper format and computer readable format are identical to each other and do not include new matter compared to the original Sequence Listing. However, a few minor amendments have been made to the Sequence Listing as follows compared to the original paper copy submitted with the application at pages 123-169 of the application as filed.

The title of the invention following identifier <120> has been amended to be consistent with the title of the application as filed.

The current Attorney Docket No. has been amended after the identifier <130>.

Identifiers <140> and <141> have been added, together with the respective application number and filing date for this application.

SEQ ID NO:5 included a typographical error with respect to amino acid number 348. This amino acid was originally identified as Ile, and has been corrected to Ile. The error would have been readily apparent to one of ordinary skill in the art and its correction does not amount to new matter.

In SEQ ID NO:16, identifier <211> initially indicated that the length of the sequence was 16 nucleotide bases, even though 38 bases were originally included and are retained in the

substitute Sequence Listings. Identifier <211> has been amended to indicate that there are 38 bases in this sequence.

In SEQ ID NO:20, the identifier <211> indicated 33 bases in this sequence, as did the numeral following the listing of the bases. In fact, there were originally and there remain 34 bases. Therefore, in the amended Sequence Listings, both the identifier <211> and the number of bases have been correctly identified as 34. Additionally, the grouping of bases has been amended from 10, 10, 11 and 3, to 10, 10, 10 and 4.

Regarding SEQ ID NO:44, the identifier <213> was missing in the original Sequence Listings. The amended Sequence Listings include this identifier before the organism name "Blue gill" which was present in the original and is present in the amended Sequence Listings.

It should be clear that although certain minor amendments have been made in the document entitled "Sequence Listing," no amendments to actual sequences so listed have been made. Accordingly, the actual sequences in the amended Sequence Listings are identical to those in the original Sequence Listings. Entry of the amended Sequence Listings is respectfully solicited.

Early consideration and allowance of this application is respectfully requested.

Respectfully submitted,

**KOICHI SAITO**

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(Date)

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Reply to Notification of May 31, 2005

Enclosures/Attachments: Copy of Notification to Comply with Requirements for Patent  
Applications Containing Nucleotide and/or Amino Acid Sequence  
Disclosures, mailed May 31, 2005;

Response to Notice to Comply. . .;

Computer Readable Copy of Sequence Listing;

Paper Copy of Sequence Listing;

Statement to Support Filing and Submission in Accordance with 37  
C.F.R. §§ 1.821 Through 1.825.

